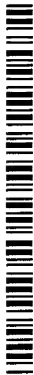


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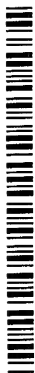
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## As-Perfected Follow-on Papers

Level -1  
Version 1.1

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**Transmittal**



Level - 2  
Version 1.1



VOS-31

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent Application

Applicants : Leszek Wojnowski et al.  
Application No. : 10/070,588  
Confirmation No. : Not yet assigned  
Filed : March 8, 2002  
For : POLYMORPHISMS IN THE HUMAN hpxr GENE  
AND THEIR USE IN DIAGNOSTIC AND  
THERAPEUTIC APPLICATIONS  
Group Art Unit : Not Yet Assigned  
Examiner : Not yet assigned

New York, New York  
April 8, 2002

Hon. Commissioner for Patents  
P.O. Box 2327  
Arlington, Virginia 22202  
Attention: BOX PGPUB DRAWINGS

TRANSMITTAL LETTER

Sir:

Transmitted herewith: [X] Petition Under 37 C.F.R.  
§ 1.182 for Entry of the Drawings; [X] 7 Sheets of Formal  
Drawings; [X] a check for \$130.00; to be filed in the above-  
identified patent application.

Express Mail Label  
No. EV 045437003 US

The Director is hereby authorized to charge any additional fee due, or credit any overpayment, in connection with this Petition, to Deposit Account No. 06-1075. A duplicate copy of this letter is enclosed herewith.

Respectfully submitted,

*James F. Haley, Jr.*  
James F. Haley, Jr. (Reg. No. 27,794)  
Jane T. Gunnison (Reg. No. 38,479)  
Attorneys for Applicants  
Shawn-Marie Mayrand (Reg. No. 48,986)  
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c/o Fish & Neave  
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Fax.: (212) 596-9090



VOS-31

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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New York, New York  
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Hon. Commissioner for Patents  
P.O. Box 2327  
Arlington, Virginia 22202  
Attention: BOX PG PUB DRAWINGS

PETITION UNDER 37 C.F.R. § 1.182  
FOR ENTRY OF THE DRAWINGS

Sir:

Pursuant to 37 C.F.R. § 1.182, applicants hereby  
petition for entry of the enclosed drawings (7 sheets) in the  
publication of this patent application. A check in the amount  
of \$130.00, in payment of the fee set forth in 37 C.F.R. §  
1.17(h), is enclosed herewith.

04/11/2002 M5EBREM1 00000047 10070588

01 FC:632


130.00 DP

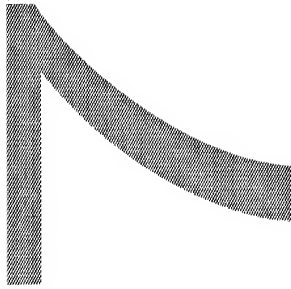
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No. EV 045437003 US

The drawings submitted herewith are identical to the drawings submitted on March 8, 2002. This submission does not constitute new matter.

The Director is hereby authorized to charge any additional fee due, or credit any overpayment, in connection with this Petition, to Deposit Account No. 06-1075. A duplicate copy of this Petition is enclosed herewith.

Respectfully submitted,

  
James F. Haley (Reg. No. 27,794)  
Jane T. Gunnison (Reg. No. 38,479)  
Attorneys for Applicants  
Shawn-Marie Mayrand (Reg. No. 48,986)  
Agent for Applicants  
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[illegible]

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**Version 1.1**



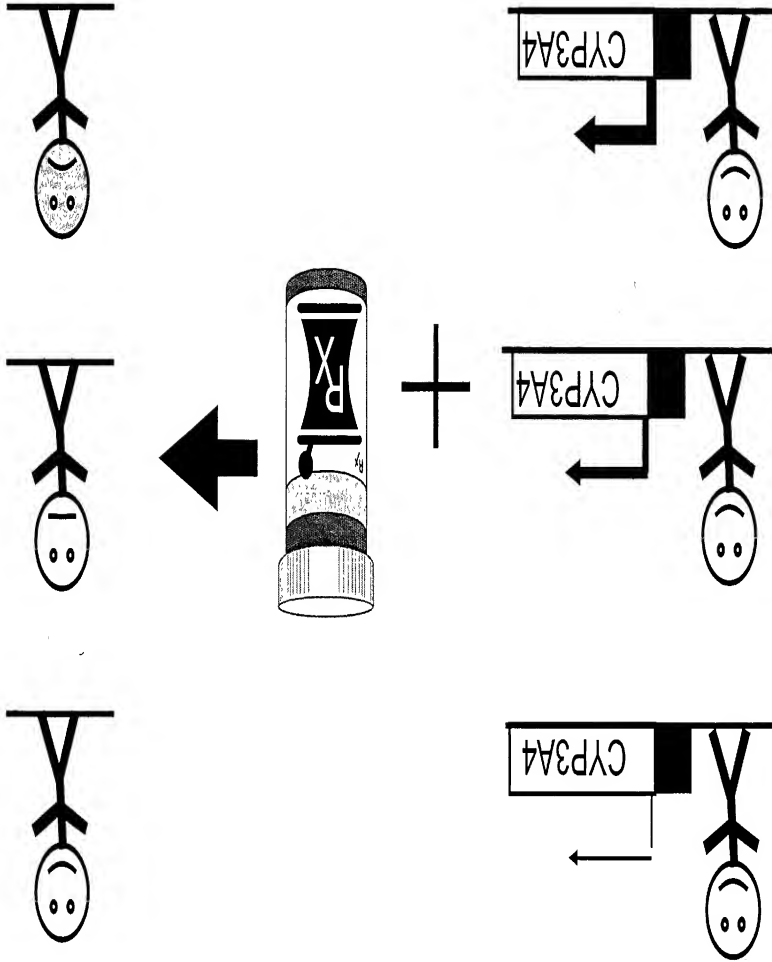


Fig. 1



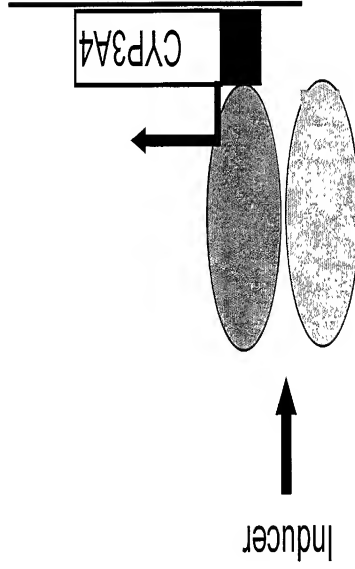
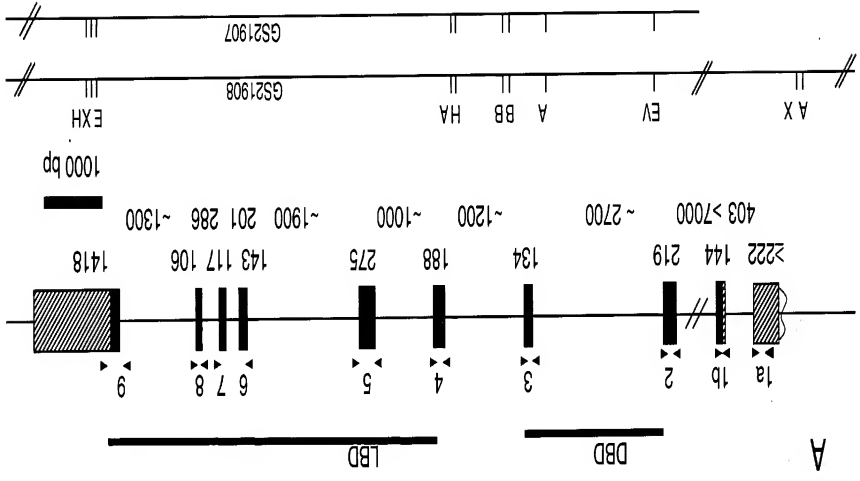


Fig. 2



**Fig. 3**

[illegible]

CTGAGGCCTCTACACATCCCTGTCCAGTCTTTTCATTCTCTCTAGTCCAAAGAGGC  
CCAGAGCAACACTGTGAGTGAGCCCAAGTCAAGCACTGCTTGTACACTGTG>A  
GACACACAGCTGTCTCTGGAAGC>TCCAGTCAACCCAGATGAGGAATCG->AAGAGTG  
CAATCTGCCGTGTATGTGGGACAAGGCCACTGGCTATCACTGATCATGTGTAAGGAT  
GCACAGGGCTTTTTCAGGTAGATTACCCATCAGCCTTCAACCCCACTGACCCCACTGGGTAC  
ATCTCAAGGGGCTT

CTG@ACGCAAGGCTAGTCCCCCTCCCGAGTCGGTAGGGCTGGGAGGAGGTGTATGGCCCCG  
AGCCCAAGGCGGACGGCCGGCAACCGTGATC→TCCCCCTTCTGCTCCCATCTCTCACAAGGCGG  
CATGAACCGCAACGCCCGCTG→CAGGTCTCCCGAAGGCCCTCTCTGACACGCCGAGGA  
ACCGGGCAACGTGCCAGCTTGCCTCTGGCAGTGTCTGGAGC→TGGCATGAGAAGAGAGA  
GTGACAGTGGGCGGGCGGGCGGGTCAAGCTGTGAGTAAGACGTGCCGTGGTGT  
GT→GGCATGCTTGTGTGAGATGCGGCCGCAACGTGTGCAATGTGAGCTGTGGTGC  
TTCTGTCAACAGG

TAA CGGCTTCGTCGCTTGAGAGGGTTACACAGTGGCTCTCCAGGGGCTGGAGGCTCACCGAGGGGCACG  
TGTGCTTGAGCCGACCTCACTGTCTCCGATGATCTCCGACGAGCCCTGCGAGGAGGCGGGCG  
CTTGATCAAGCGGAAGAAAGTGAACGGACAGGCTACGCCCTGGGAG-ATGCAGAGGGCTTGACA  
GAGGACGACGGATGATGATCAGGCGGTGATGAGCATGAAAACCTTTGA-AGCAC  
CTTCTCCCATTTCAAGATTTCCGGTAGGAGAACTGCACGTCAGGCTGCTACTGGCATCTTCA  
TTCTCACATAGAAACTGAGGTTCCCGCAAGGATAAGAAACTTATACAAGGTCAACAGCTAATCAGTGGTGAG  
TTGAGATTGGAGAGCT

CTGATGCGGACCTGTCATGAAAGCAGATGCTGTCTCTCTCTCCACCTCCTTGGCATGTGCTCAGTCG  
CCAGGGGTGCTTACCATGTCGCCTTGGCAGATCTGTCTGTCAGGCCCATCAGCGGAAGAAG  
CTGCCAAGTGGTAGCGGGAAGATCTGTGCTCTTTGAAGTCTCTCTGACGTGCGGGGGGA  
GGATGGCAATGCTGTGGAACTACAAACCCAGCAGATGGCTGGGGAAGAGATCTCTCCCTG  
CTGCCCAATGCTGTGACATCAACCTCAATGCTCAAGGCATCACTGCTTGCAGATCTCTC  
CTACTTCAAGTGAACATGGAGACTGGTGGTGGTGGAAAGAACTGGACAGGAGGTTC  
AAGGCCCTCGG

**4  
b  
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**Exons 6&7**

CTGCTGGTGGCGGCGCTGTGGGCTGCTCCAGGGAGCTGTCTCCCTCCCATCTCTGTGCTGCCAGGGACTT  
 GCCCATCGAGGACCCAGATCTCCCTGTGTAAGGGG→AGCGCGCTTCGAGCTGTGTCAACTGAGATTCA  
 ACACAGTGTTCAAAGCGGGAGCTGGAACCTGGGAGTGTGGCGGCTGTCTACTGCTTGGAGGACAC  
 TGCAGGTGCCGAGAGCGCTGCCCTGGCAGAGGGGAAACACTGCAGTTATGGAGGAGGGA  
 GCTACGCCAGGATATGCAGGCTTCTGGATGGCAG→AGGCAGGAAGATGGAAATGGTGAACAACAAGA→GT  
 ATTGCTGAGGGATGATTAGATCTTGGTCAGCTTGTGAGAAGCTGCCCTCCATC→TCTGTACCATCCAC  
 AGTGGCTTCCAGCACTTCTACTGGAGCCCATGCTGAATTCCTAC→TATGCTGAAGAAGCTGC  
 AGCTGCATGAGGAGGATATGTGTGATGCAGGCATCTCTCTCTCCCCAGGTGAGGATCTCCCC  
 TAGGCTGCTGACATCCCCCCL→TAGCCCTTATCTGCCCTCCCCAGGGAAGTCCCCAGTGC

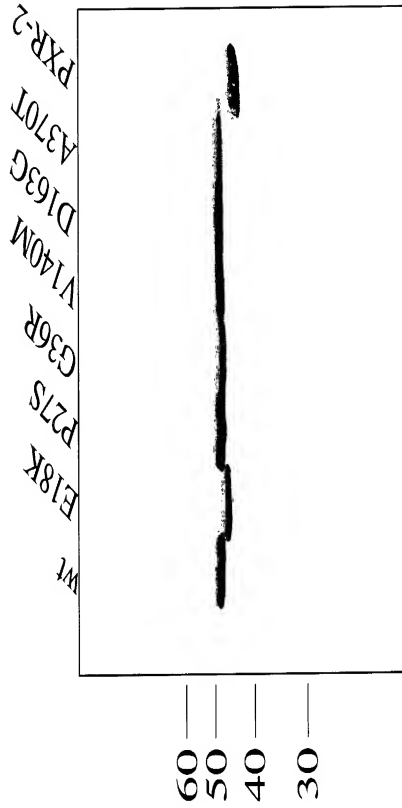
**Exon 8**

GAGCAATGCCCTGACTCTGGGCTGGAGCTGAGCTTGTGCCCCATGATCTTGCAACCAACCTCCCTCCC  
 TCCAGACCGCCAGCTGTGTGCAGCACCGCGCTGTGACCCAGCTGCAGGAGCAATTTCG→ACCATT  
 CTCTGAAGCTCTACATTGAATGCAATCGGCCCGCCAGCTGCTCATAGGTGAGCAACGACGGGGTGAAG  
 ACCCGTGAGGGGTGATGTAGG→AGAGCCGAGGTTGAGGGAATTTGCCCAAGACTTCATGGCCAGAGGG

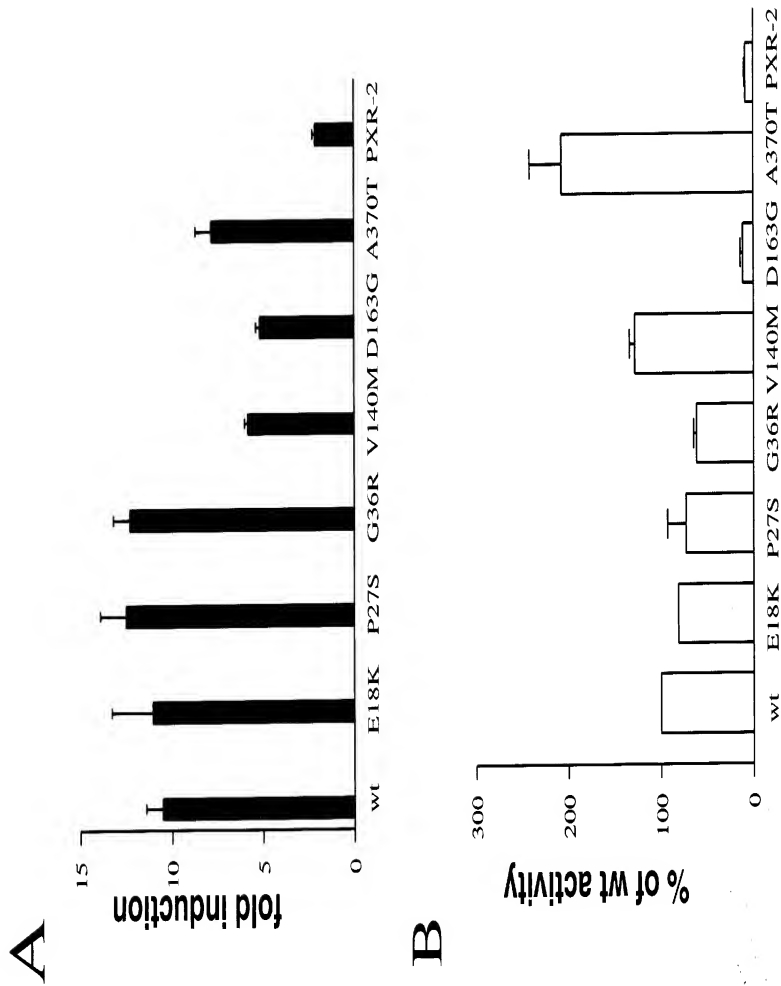
**Exon 9**

TGCTLTGTGACCTTCAGAGCAGCCCTGAGGCTTGTGGGTGAGGGGCTGCACCCCAAAATCTTTCTCTGG  
 CTGGCATGCAAGTCTTGTCTGTAAGATCATGGCTATGCTACCCGAGCTCCGAGCATCATGCTCA  
 GCAACCCAGCGGCTGTGGCTCCAGGACATACACCCCTTGTAGGCCCTCATGCAGGAGTTG  
 TTCGGCATCACAGGTAGCTGAGCG→AGCTGCCCTTGG→ATGACACCTCCGAGGCGCAGGAGCC  
 CAGAGCCCTCTGAGCGCGCACTCCCGGGCCAGACAGATGGACACTGCCCCAAGAGC

**Fig. 4 cont.**



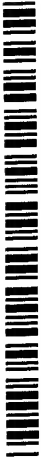
**Fig. 5**



**Fig. 6**

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Miscellaneous

10

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4/29/02 10:00 AM 10/070,588 received

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4/29/02

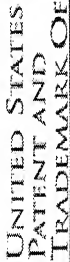
Fish and Neave  
1251 Avenue of the Americas  
New York NY 10020-1104

Dear Applicant:

The Box PGPub replacement drawings for application number 10/070,588 received on 4/8/02 by the U. S. Patent and Trademark Office will be included for patent publication.

Telephone inquiries should be directed to Customer Service, Office of Initial Patent Examination, at 703-308-1202.





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J. J. Durban  
Signature of Reviewer, Office of